

**ABSTRACT**

A method of forming a coating of polyionic materials in a layer-by-layer-like manner onto a polymeric material is provided. A polymeric material, such as a contact lens, can be dipped once into a solution of polyionic materials such that layers of polyionic material can be formed thereon. A single dip solution of the present invention typically contains a polyanionic material and a polycationic material in a non-stoichiometric amount and maintained within a certain pH range.